Significant progress has been made on project tasks by the Wisconsin LDS grant team, established in 2009 to address needs associated with SLDS grant efforts. The team has collaborated with stakeholders to accomplish major gains on a variety of LDS-related initiatives while moving forward with completing Wisconsin's proposed outcomes. To date, six of seven outcomes have been started, and tasks in progress are stepping stones for the remaining outcome. Thirty-four out of thirty-eight subtasks are operational or in progress.

Beyond outcomes and subtasks, the LDS team identifies true success through a change in understandings, expectations, and conversations around data. Both at the Department of Public Instruction (DPI) and in the districts and schools of Wisconsin, our stakeholders have benefitted from a variety of communication efforts, all geared towards transparency and opportunities for feedback and input. In two years Wisconsin has made considerable progress in identifying goals related to data warehouse and reporting efforts, defining and communicating these efforts for both internal and external stakeholders, and building momentum and support around education data, data warehousing, and using data as a pathway to success.

LDS Project efforts in Wisconsin are comprised of a variety of specific tasks related to two general themes: continuing to build and expand our data warehouse to include a diversity of student level data; building highly functional and user-friendly secure and public data access applications. We have dramatically broadened the scope of our reporting efforts beyond development of individual reporting applications to the purchase of a business intelligence data model and reporting suite. Our work is driven by stakeholder questions, such as "What are our goals as a district/school/SEA?" "Where can we improve?" and "What trends do we see?"

Data Warehouse

To answer questions like those above, we have, and continue to, focus on building a strong foundation for reporting and analysis by incorporating student level data from various sources into the data warehouse. The Wisconsin team successfully balances different goals and requirements: timely updates to the datasets in the data warehouse with the most current year of data, implementation of federal requirements, and addition of datasets to expand available data. By linking these datasets with a unique id over time, a longitudinal picture of a student has emerged. Work to strengthen our data warehouse helps advance student-level reporting and analysis capacity. While we have a variety of datasets in the data warehouse, incorporation of additional pieces of information will enable more robust analysis. Specifically, Wisconsin identified the following immediate data needs: include postsecondary data in the previously only-K12 data warehouse; gather coursework data.

Our P20 initiative includes DPI and postsecondary partners collaborating to determine how we can link data efficiently and effectively across the education pipeline to research what happens to our K12 students after graduation. National Student Clearinghouse data will also soon be added to the data warehouse. We aim to provide reports directly to districts that will facilitate conversations around postsecondary enrollment trends. Specifically, districts will be able to

identify if and where students have postsecondary enrollment after high school graduation, if they maintain enrollment, and if they eventually graduate with a degree.

The first collection of the coursework completion data collection is now in progress. This collection includes course data and will enable establishment of a student-teacher link which will enable classroom-level reporting. Reports created from course data will contribute to a better understanding of course-taking patterns, programs, and performance trends that lead to students graduating from high school ready for further education and the workforce.

Reporting Tools

With a strong data warehouse foundation and efforts in progress to add additional datasets, the team's top priority in 2010 focused on providing tools for districts and schools to access data for reporting and analysis. Specifically, the team has continued work to provide public and secure tools to access data in the data warehouse to facilitate data-driven decision-making for school and district improvement, and to assist educators looking to raise individual student achievement and close achievement gaps. The tools developed, implemented, and maintained provide specific, customized solutions for our school district customers as well as DPI users.

The School District Performance Report (SDPR) received notable enhancements. Most significantly, in December 2010, school level reports were included in the tool. SAFE, the secure access file exchange, was created this year to enable secure online distribution of confidential reports and files. The NSC StudentTracker tool, used by districts to track students from graduation to postsecondary, became available through a statewide contract in May 2010. Student growth percentile (SGP) reports were created and distributed (via SAFE) in addition to resources that facilitate conversations around including measures of growth to inform decisions and how to interpret SGP reports. These reporting tools above as well as MDAT (available in January 2009) were developed, implemented, and maintained to provide specific, customized solutions for our school district customers as well as DPI users.

The ability to turn data into information quickly and easily has become increasingly important to guide decisions at all levels of education and is a top priority for DPI. As such, the team recognized the need for additional tools, specifically a Business Intelligence Reporting Tool, to heighten data usage by enabling comprehensive access to data in the data warehouse. The BI Reporting tool project gained momentum late in 2010. DPI purchased a tool and the team has an ambitious implementation plan that will dramatically increase district data access and the functionality available to create reports for analysis before the 2011-12 school year. Our plan is to create a single navigation portal through the use of role-based dashboards that integrates the previously developed analysis and reporting tools with those new objects being created within the BI toolset. The goal is to have all DPI reporting built within this toolset and delivered to school district customers in one place, improving their experience as a data consumer.

Wisconsin has made significant progress this year, either advancing or completing outcomes in the grant plan. Efforts have put us in a good place not only to implement the BI Reporting Tool but also to support districts as they begin to analyze data available through the tool. These tasks will help Wisconsin educators better understand outcomes for our students and ensure that every child graduates from high school prepared for both college and career pathways. Further, they will allow DPI to meet federal reporting requirements and continue to make progress on outcomes in the grant plan.

Section B: Narrative Documents

1. PROJECT NARRATIVE

Outcome 1.0: Recruit and Hire Project Team
Note: All tasks for this outcome were operational during the FY09 reporting period.

Outcome 2.0: Define and Develop Wisconsin's P20 System

a. Outcome Summary: This year Wisconsin has made significant progress in defining and advancing our P20 initiative. Discussions facilitated by DPI have brought together stakeholders from all across the board including early childhood, K-12, postsecondary, and workforce. Other state agencies and research organizations have been included in planning conversations as well. While we expect that discussions and definition will continue throughout the next few years, two initial projects were defined and are currently underway: expand our data warehouse to include postsecondary enrollment data; define and establish data sharing agreements with in-state institutions of higher education that will enable more in-depth understanding of the postsecondary experience for graduates of Wisconsin's public high schools.

Overall Wisconsin's P20 initiative will expand the Wisconsin longitudinal data system by linking across the P-20 education pipeline and between state agencies, driving longitudinal research and analysis that enables school and district improvement by creating a richer picture of individual student performance over time. In addition to meeting the goals and priorities of our LDS grant, these initiatives will move Wisconsin towards meeting State Fiscal Stabilization Fund requirements for a Statewide Longitudinal Data System as defined by the America COMPETES Act and will align with the agencies Every Child a Graduate effort to ensure our students benefit from both college and career preparation, learning the skills and knowledge necessary to be contributing members of our communities.

b. Major Accomplishments: One project associated with the P20 Initiative is the Advanced Postsecondary Infrastructure (APSI) Project (2.2). The APSI project steps beyond postsecondary enrollment information to look at student success while enrolled in a postsecondary institution. For this project DPI has partnered with the University of Wisconsin System (UWS), the Wisconsin Technical College System (WTCS), and the Wisconsin Association of Independent Colleges and Universities (WAICU) to identify common data elements, matching and data exchange processes, and technical infrastructure components that will greatly enhance interoperability for data sharing and research purposes. During early meetings with external postsecondary stakeholders (UWS, WTCS, WAICU) it became evident that these institutions, while interested in fostering increased interoperability and data sharing efficiencies, do not have the capacity, in resources or technological architecture, to build the necessary infrastructure to share data in a timely, efficient manner. While the work for this project was within the original scope of this grant, Wisconsin recognized the need for additional funding to support our postsecondary partners. Because of this, Wisconsin submitted and has received an additional grant award (the IEA ARRA SLDS grant). One of three key components of the new grant focuses specifically on the APSI project. Annual progress for this project will henceforth be included in the ARRA SLDS grant report.

The second project associated with the P20 Initiative is the Postsecondary Enrollment Data & Reporting Project (2.3). Work has progressed throughout the year to incorporate postsecondary data from the National Student Clearinghouse (NSC) into the data warehouse. DPI has submitted records to the NSC for graduates from the classes of 2006 through 2010. Matched data—including, but not limited to, enrollment start and end dates, indicators of full- and part-time status, school name and state, school type (private/public), school level (two- or four-year), and completion status—have been incorporated into the data warehouse. The team is working to define final flags/calculated fields based on our interpretation of SFSF reporting requirements associated with indicator (c)(11). Report design is in progress to define the layout and additional columns needed in the data warehouse to support the SFSF reporting requirements based on our interpretation of the data.

While DPI is working on integrating postsecondary data into the data warehouse at a state level, individual high schools and/or districts have begun utilizing DPI's statewide contract with the NSC to submit their own students for local analysis. DPI has created a webpage, communication, and documentation to support districts in submitting the data to the NSC and their local analysis. Upon submission of this report 105 districts and/or high schools have individual contracts with the NSC under DPI's statewide contract.

c. Plans for Tasks Still to be Accomplished: It is our interpretation that the SFSF reports will be based off of the newly implemented 4-year adjusted cohort. Initial adjusted cohort data will be available in March 2011 for the 2009-10 cohort. The cohort will be submitted to the NSC for matching and postsecondary enrollment information by November 15, 2011. Submitting the cohort in November allows a little time for NSC colleges to report enrollment and to enable DPI to calculate a specific flag to report which graduates from the cohort have a postsecondary enrollment record within 16 months of graduation (c)(11). Initial reports, including the report to meet our SFSF (c)(11) obligations, will be created and released in a secure manner directly to DPI and districts through an online business intelligence solution. Initial focus for release of reports through the new business intelligence reporting tool is to provide secure reports only. Public reports (available through the same business intelligence tool) of postsecondary enrollment will be created and made available in a future task. Efforts will continue to support districts utilizing the NSC for local analysis.

d. **Difficulties Faced and Lessons Learned**: The most difficult challenge for the team this year was incorporating the data from the National Student Clearinghouse into the data warehouse. Since the logic used by the NSC to match K12 students to the postsecondary data is proprietary and a degree of confidence is not returned, the match rate and reasons for non-matches are difficult to define and comprehend. In addition, DPI has identified many cautions of which users need to be mindful when reporting off of this dataset and will be providing support documentation to accompany reports that are produced off of this dataset to help explain the limitations of the data.

Another challenge the group encountered while working on our P20 initiative was in interpreting the reporting requirements related to SFSF indicators (c)(11) and (c)(12). We feel confident that we have

interpreted the requirements in such a way that we meet our reporting obligations for SFSF. However, we continue to see inconsistencies in the way States are interpreting what data needs to be reported.

Outcome 3.0: Develop student-level data collection including course completion and teacher/student connection

a. Outcome Summary: Wisconsin will implement a new statewide data collection early in 2011. This collection will capture the data necessary to satisfy the requirements of the American Recovery and Reinvestment Act (ARRA) and by reference the America Competes Act. This student-level collection will be integrated with the existing Individual Student Enrollment System (ISES) already in place and make the connection between a teacher, a specific course section and a student. Grades will be captured for high school students. Standard NCES course codes will be used. Two collections per year are planned – 1 after the 1st marking period and a 2nd at the end of the school year.

The Applications Development team is currently leading the effort for building the course collection system. Once the data is available the Data Warehouse & Reporting team will be responsible for managing and completing the effort to move the data to the data warehouse. (3.7)

b. Major Accomplishments: Project conceptualization (3.1) is complete and the project charter was published in November 2009. Project analysis (3.2) is complete and a tollgate (3.3) was conducted in April 2010 to confirm the scope and objective of this first collection. Application design (3.4) is complete. Development was completed in February 2011 and followed by a two week long pilot in which a select group of school districts were invited to participate in final testing. No significant issues were uncovered during this pilot and the collection was opened to all school districts in Wisconsin on March 14, 2011. This collection is scheduled to last 8-10 weeks and capture data from the 1st marking periods. A second collection is planned for the summer of 2011 to capture the second, and third as appropriate, marking period data. Training for the school districts started the week of March 7th. Training will include face-to-face presentations across the state plus a collection of video modules that can be accessed at any time from the project website listed below.

http://dpi.wi.gov/lbstat/cwcsapp.html

The collection will be actively monitored by a subset of the IT development team and issues will be addressed as they arise (3.6). A second development phase is planned for late 2011 to improve on the collection before it opens again in February 2012.

c. Plans for Tasks Still to be Accomplished: The work necessary to move this new data set to the data warehouse and turn it into "information" has not yet begun (3.7). Analysis of this effort is planned for the summer of 2011.

d. Lessons Learned: Though we have a long way to go in capturing and using this data, Wisconsin has made progress with "ownership" of this new collection. The Content and Learning Team has stepped up

and provided necessary leadership and ownership for this new collection. Communications to the school districts improved considerably once a C&L program area person was hired and assigned to this team. Critical communication became both more frequent and more appropriate as non-technical team members assumed the responsibility for this activity. It is not clear to this Agency how to fund a long-term commitment for these resources or the technical team.

Outcome 4.0: Build Next Generation Analysis and Reporting Tools

a. Outcome Summary: The team has continued work over the past year to provide public and secure tools to access data in the data warehouse to facilitate data-driven decision-making for school and district improvement, and to assist educators looking to raise individual student achievement and close achievement gaps. The applications developed, implemented, and maintained by the Data Warehouse & Reporting team provide specific, customized solutions for our school district customers as well as DPI users. However, the team recognizes the need for additional—broader—tools, specifically a Business Intelligence / Reporting Tool, which will heighten data usage by enabling access to the comprehensive set of data in the data warehouse. In addition to supporting the reporting tools already implemented for users to access specific datasets in the data warehouse, the Department has purchased a BI Reporting Tool and the team has an ambitious implementation plan to dramatically increase the data available to users and the functionality available to create reports for analysis before the beginning of the 2011-12 school year.

b. Major Accomplishments:

SDPR-School District Performance Report (4.1) School districts are required by Wisconsin Statute to publicly report data regarding performance and student achievement. To help districts comply with this requirement, the DPI implemented the School District Performance Report: https://apps2.dpi.wi.gov/sdpr/spr.action. The School District Performance Report encompasses a wealth of information on school and district performance and student achievement data for the State of Wisconsin. It serves as a district's annual public school report card and allows for comparisons to other districts in the same athletic conference as well as to the ten largest districts in the state. Links to other accountability reports such as the Federal ESEA Report Card, Adequate Yearly Progress Reports, NAEP reports and Special Education District profiles are provided. This public site reports data that are redacted to protect student privacy. The SDPR was implemented in production with district-level data in June 2009. In June 2010 2R Charter school data was added to the SDPR along with a Top 10 Enrollments comparison. Additionally, a statewide average comparison was added for the Achievement Test data. In December 2010 the SDPR was implemented in production with school-level data. At the same time the team converted this application from Oracle to Websphere to align with the technology chosen for other reporting applications here at DPI.

Build Student Profile (4.12) Discussions around designing and building a student profile with data from the data warehouse for use within the Student Intervention Management System (SIMS) are underway. This is an exciting step toward our eventual goal that all applications needing longitudinal, student-level data utilize the data warehouse. We anticipate that web service technology will be utilized to pull

information from the various data warehouse tables for a complete profile. The profile will then be displayed in SIMS.

GOALS –Growth Oriented Achievement Learning System (4.4) DPI continues to move forward with utilizing the Student Growth Percentiles (SGP) statistical method of calculating growth data to inform district decisions. SGP are calculated in R and integrated into the data warehouse for reporting and analysis. In July 2010 the Office of Educational Accountability (OEA) began piloting static, SGP reports to districts through SAFE (the Secure Access File Exchange). In spring 2011 these reports will be distributed to ALL districts using the same technology. Distributing the reports to districts will enable conversations to start around including measures of growth to inform decisions generally, and how to use SGP specifically. We will use the BI technology to create interactive visualizations around the SGP data.

ASM-Application Security Manager (4.15) The goal of building and implementing ASM is to consolidate delegated security applications across the enterprise into one standard security solution. District staff currently use one tool to manage user access to data collection applications, and another tool, the LDSAM application, to manage user access to data reporting applications. With one interface, ASM, districts will be able to log into and use the same application to delegate administration and manage user access for both data collection applications and LDS reporting applications. In addition, all LDS application will be migrated from Oracle to Websphere to align with the technology chosen for other reporting applications here at DPI. Ultimately the consolidated solution will benefit districts as well as internal staff by saving money, time, and resource effort. ASM design began in August and development began in September. Implementation and rollout to users is scheduled for April 2011.

SAFE-Secure Access File Exchange (4.16) The SAFE application was created to enable confidential reports and files to be distributed online. The application allows authorized users to access confidential data files and reports that have been uploaded by the DPI for district and school staff members. Currently this application enables authorized access to the following topics: AMAO Report (District Profile) and GOALS: Student Growth Percentile (SGP) Reports (4.4). Plans are to distribute other reports through SAFE as they are identified.

Business Intelligence Reporting Tool (4.5, 4.6) Driven by the lack of ability for DPI, districts, and schools to access the comprehensive set of data in the data warehouse, the Business Intelligence Tool Data Warehouse Implementation project gained momentum late in 2010. The value of data warehousing and reporting has become increasingly important for all businesses in the last decade. The ability to turn data into information for sound decision-making is considered a top priority. As a result of this project, DPI will be able to create reports using the data to

- Better understand educational outcomes for Wisconsin students
- Inform decisions that can help ensure every child graduates from high school prepared for both college and career pathways

The solution will provide:

- an education data model already structured in a way to enable smart, common, and education-specific reporting on education data
- role based dashboards & visualization,
- public & secured reporting through the same technology to a wide variety of users with a wide variety of data needs,
- pre-packaged business layer and reports,
- simple ad hoc reporting functionality (choose a district, choose a demographic),
- advanced ad hoc capabilities for a limited number of power users at the district and state level to create customizable reports,
- documentation, including professional development resources such as pre-made workbooks to guide use and understanding of dashboards and reports
- accelerated development time,
- and other key functionalities to benefit all stakeholders.

The main objective for this project is to have the initial data warehouse, reports, dashboards, security, and processes and procedures ready and available by August 1, 2011 for all districts and schools.

Evaluate, Select, and Purchase a BI Reporting Tool and Deploy Supporting Architecture (4.5)
The decision has been made to move forward with the VersiFit Edvantage education data model and dashboard solution. The decision was also made to utilize the Microsoft BI Reporting solution. The official contract with VersiFit was signed on 2/16/2011. Architecture deployment is in progress.

Implement BI Reporting Tool Data Warehouse Solution (4.6)
Current high-level project tasks revolve around project planning, communication, and staff training on the solution and toolsets. Data Analysis and Design is also in progress to decide how to map the data in our current LDS Data Warehouse (now coined the Operational Data Store, or ODS) into the new Edvantage data model.

c. <u>Plans for Tasks Still to be Accomplished:</u> Tasks in the next few months will focus on the BI Tool Data Warehouse Implementation. Specifically, we will be working to:

- Implement the Edvantage Enterprise Data Model
- Define the Extract, Transform, and Load specifications from the ODS into the Data Warehouse
- Implement and Utilize Microsoft SQL Server Integration Services (SSIS) for data load tasks
- Implement Report Models using Microsoft SQL Server Reporting Services (SSRS)
- Implement Reports
- Create P20 NSC and GOALS Student Growth Percentiles Reporting Solutions
- Define and Create documentation to support use of the reports
- Implement the Edvantage Dashboard
- Define & Implement Security Roles and Privacy Practices
- Define & Implement Processes and Procedures, Training, and a Rollout Strategy

d. <u>Difficulties Faced and Lessons Learned:</u> One challenge we continue to face with each project is communication/stakeholder involvement. Because of this we have ramped up communication efforts

to various stakeholders to ensure transparency and to enable stakeholders to participate early in each project by providing feedback and asking questions. These communication efforts will take place through MS Live meeting events, in-person trainings and feedback sessions, and email/online communications. The second challenge we continue to face is with project resources. With limited resources and various project managers it is sometimes difficult to manage priorities and implementations across the board. We have found that it is just as important to communicate within our teams and agency as it is to communicate to external stakeholders.

Outcome 5.0: Upgrade LDS Infrastructure
Note: All tasks for this outcome were operational during the FY09 reporting period.

Outcome 6.0: Build Detailed Student-Level Datasets

a. Outcome Summary: Incorporating additional data sets into the already existing data warehouse remains a top priority for the WI Data Warehouse & Reporting team. A robust data warehouse provides a strong foundation for reporting and analysis. It is just as important that the existing data warehouse be updated and maintained to provide value as it is to add additional datasets to answer new questions around academic performance. Overall, the team continues to update and add useful, student-level data from various data collections into the ODS , and new attention has been focused on mapping our existing data warehouse to the Edvantage data model (see outcome 4.0 for more information).

b. Major Accomplishments: The team has added two new datasets into the LDS this year. These datasets include the adjusted cohort graduation rate and student growth percentiles. Updates are also in progress to all existing datasets to incorporate the new race/ethnicity codes. Progress has been made to incorporate postsecondary enrollment data into the data warehouse as well. We expect this data to be loaded into our LDS by June 2011.

Race/Ethnicity Updates (6.5) New standards for classification of federal data on race and ethnicity were announced in 1997. DPI and local school districts were required to begin collecting and reporting student and staff data using these new standards by the fall of 2010 for the 2010-11 school year. As each data collection has been updated the corresponding data set in the data warehouse is updated as well. As of March 2011 updates have been made to the student level demographics as well as to the Third Friday in September collection/dataset.

Adjusted Cohort and Graduation Rate (6.6) Within the past year the DPI has been working to implement the 4-Year Adjusted Cohort Graduation Rate formula required for 2009-10 graduation rate reporting. As of March 8, 2011, the formulas to calculate the rates have been developed and the data implemented into the data warehouse for reporting and analysis. Initial reporting will be created through our WINSS public reporting application. This dataset and the subsequent reporting will enable us to meet reporting requirements for the State as well as SFSF requirements. Reports will be available by May 1.

Student Growth Percentiles (6.9) DPI currently provides gain growth data directly to districts through our Multi-Dimensional Analytic Tool (MDAT). MDAT incorporates data from the data warehouse (specifically the Outcomes table completed last year) to enable analysis of one-year change in state assessment scores. As a next step, efforts began last year around a new growth project (GOALS: the growth oriented achievement learning system). Within the scope of this effort, DPI intends to provide student growth percentile reports to district users, and eventually to the public. Student growth percentiles measure growth at an individual student level and can be aggregated. As a first step to enable this type of analysis, individual student growth percentiles were calculated off of data already existing in the data warehouse. The percentiles were then incorporated into the data warehouse and linked to the individual student. With this data, DPI will be able produce student-level student growth percentile reports in PDF format to be released directly to districts through a customized secure online site called SAFE, the secure access file exchange. These PDF reports will be available to districts in spring, 2011. Additional reports will be created (and drill down/through capacity enabled) within the new business intelligence reporting tool.

Postsecondary Enrollment (6.10) Work has progressed throughout the year to incorporate postsecondary data from the National Student Clearinghouse into the data warehouse. DPI has submitted records to the NSC for graduates from the classes of 2006 through 2010. Matched data—including, but not limited to, indicators of full- and part-time status, school name and state, school type (private/public), school level (two- or four-year), and completion status—have been incorporated into the LDS. Final testing is in progress. Report design is in progress—based on guidance related to SFSF reporting requirements—to define the layout and additional columns needed in the data warehouse to meet identified reporting requirements. Data for the adjusted cohort (related to SFSF indicator c11) will be available starting with the 2009-10 cohort. Initial reports will be released in a secure manner directly to DPI and districts through an online business intelligence solution. These secure reports will be available by September, 2011. Initial focus for release of reports through the new business intelligence reporting tool is to provide secure reports only. Public reports (available through the same business intelligence tool) of postsecondary enrollment will be available in 2012.

c. Plans for Tasks Still to be Accomplished: The team will continue to work toward adding additional useful datasets into the LDS. Two initiatives are already in progress. Other datasets are being researched and discussed.

Integrating career and technical education (CTEERS 6.3) data into the data warehouse is a top priority of the team. DPI plans to move from collecting this data through the CTEERS system to collecting this data through the new CWCS data collection. The data will then be incorporated into the data warehouse.

Development of the new coursework completion data collection is now complete and the collection is scheduled to open in March 2011. After the initial collection closes, the team will begin the analysis to add the collected data into the LDS. (6.4) Analysis efforts are scheduled to start in June 2011. The establishment of a student – teacher link in the data will enable creation classroom level reports. Once in the data warehouse, this course data will contribute to a better understanding of course-taking

patterns, programs, and performance trends that lead to students graduate from high school ready for further education and the workforce.

Race/Ethnicity updates (6.5) will continue for additional datasets through the next reporting period. We anticipate all updates to be completed by May 2012.

d. Difficulties Faced and Lessons Learned: The primary obstacle related to data and reporting is data timeliness. In response, DPI has begun researching the option of implementing a statewide student information system. Such a system would allow for timelier reporting and, in fact, would provide a real-time data-based decision support system.

Outcome 7.0: Build Comprehensive Educational Portal

a. Outcome Summary: The goal of this component is to build (7.1) and implement (7.2) a one-stop-shop portal for LEAs, Educators, DPI and the Community to access data and information on Education in Wisconsin. Ultimately, we envision a single, easy-to-access site for anyone interested in learning more about Wisconsin schools. Public users will be able to view redacted reports on a variety of educational indicators captured in our LDS. Users with authorized access (such as school staff) will be able to log in to secure, non-redacted views of data to which they have access, as well as ad hoc report development via an interactive analysis and reporting application.

Plans are underway to implement a Business Intelligence Reporting Tool solution (see outcome 4.5 and 4.6). One tool included in this solution will enable DPI to create customized, role-based dashboards. Each dashboard will include specific reports geared towards a role, for example, District Administrator, or a subject, for example, Achievement Tests. Some dashboards will be secured while other dashboards will be available to general public users. In addition, we will have the ability to link to other reporting tools, such as MDAT and our School District Performance Report, through the dashboard.

b. Major Accomplishments: Work around creating the dashboards has only just begun. By choosing a tool which includes the ability to create dashboard for users within the solution, DPI is in the position to accelerate efforts to provide data to districts in one location.

c. Plans for Tasks Still to be Accomplished: Tasks in the next few months will focus on the BI Tool Data Warehouse Implementation. The team will work on designing, developing, and implementing the roles, reports, and dashboards.

d. Difficulties Faced & Lessons Learned: As an agency that has historically maintained individualized, disparate access points for data sources, much remains to be done to meet our goal of creating a comprehensive data portal that will serve all customers of confidential and public state education data. While we see the benefit in a data portal, creating a one-stop-shop is not easy. Creating one site for all data collections, public & secured reporting, and information, requires more conversation, compromise,

and collaboration between IT and the Content areas. Transparency and communication are key attributes that have enabled DPI to move forward with these initiatives.